

House File 2324 - Reprinted

HOUSE FILE 2324
BY COMMITTEE ON EDUCATION

(SUCCESSOR TO HSB 603)

(As Amended and Passed by the House March 1, 2016)

A BILL FOR

1 An Act providing for a computer science advisory council to be
2 convened by the director of the department of education.
3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

1 Section 1. Section 256.9, Code 2016, is amended by adding
2 the following new subsection:

3 NEW SUBSECTION. 67. Convene a computer science advisory
4 council to make recommendations regarding the requirement that
5 each accredited high school offer at least one high-quality
6 computer science course by the school year beginning July 1,
7 2018, pursuant to section 256.11, subsection 5, paragraph
8 "k". The council shall submit its recommendations to the
9 governor and the general assembly by October 1, 2016. The
10 recommendations shall also include but not be limited to the
11 following:

12 a. Standards for one or more high-quality computer science
13 courses, with one or more models for such courses to be
14 developed by the department by July 1, 2017.

15 b. A recommendation as to whether one or more such
16 high-quality computer science courses could be integrated into
17 a career and technical education pathway.

18 c. A recommendation as to how one or more such high-quality
19 computer science courses could satisfy the high school
20 graduation requirement for mathematics.

21 d. Multiple settings for the delivery of high-quality high
22 school computer science courses, including traditional high
23 school classes, concurrent enrollment classes, and online
24 learning classes that include the opportunity for students to
25 collaborate within a classroom setting.

26 e. Guidelines for creating a kindergarten through grade
27 twelve career pathway in computer science, with an appropriate
28 scope and sequence for high-quality computer science
29 instruction, which would include a unit on coding in seventh
30 or eighth grade to be required by the school year beginning on
31 July 1, 2018, pursuant to section 256.11, subsection 4.

32 f. Licensure and professional development requirements to
33 ensure that teachers are prepared for and supported in the
34 delivery of high-quality computer science courses.

35 g. An estimate of the cost of implementation of requirements

1 described in this section that, by the school year beginning
2 July 1, 2018, one unit of high-quality computer science
3 education be added to the minimum educational program to be
4 offered and taught for grades nine through twelve and that
5 the technology education component of the minimum educational
6 program to be offered and taught for grades seven and eight
7 include one unit on computer coding. The estimate shall
8 include an estimate of the current capacity of computer science
9 teachers in Iowa for those grades, including how many more
10 computer science teachers will be necessary in Iowa and how
11 many school districts are currently offering such courses.